

## ABSTRACT OF THE DISCLOSURE

Methods and apparatus are provided for displaying multiple data categories. The apparatus is comprised of a display that is configured to produce visual representations of the plurality of data categories and a processor that is configured to control the display such that at least one of three display modes is provided for the visual representations of the plurality of data categories. The first display mode provided by the apparatus and method is a transparency mode for at least one of the visual representations of one of the data categories and the second display mode provided by the apparatus and method is a dynamic layering mode for the visual representations of the plurality of data categories. The third display mode is a color prioritization mode for at least three of the visual representations of three of the data categories. One or more of these display modes presents visual representations of the plurality of data categories with the display in a manner that assists cognitive mapping between the display and the user and/or operator of the display and/or reduces the effort of the user and/or operator of the display in assimilating at least one data category of interest.